

## CLAIMS

What is claimed is:

- 1 1. A method comprising:  
2 transmitting data to at least one client;  
3 receiving, from the at least one client, tracked and reported  
4 transmitted data errors regarding the transmitting data, based on a path of the  
5 transmitting data and at least one of regional factors, dynamic factors, and  
6 retransmission factors;  
7 identifying the at least one client reporting the transmitted data  
8 errors; and  
9 analyzing the transmitted data errors.
- 1 2. The method of claim 1, further comprising:  
2 adjusting error correction based on the analyzing the transmitted  
3 data errors; and  
4 transmitting data, having an adjusted error correction, to the at  
5 least one client.
- 1 3. The method of claim 1, wherein the transmitting data comprises  
2 broadcasting data, and wherein the receiving tracked and reported transmitted  
3 data errors comprises receiving by a broadcast center server.
- 1 4. The method of claim 1, wherein the analyzing the transmitted  
2 data errors comprises comparing the transmitted data errors to at least one of a  
3 predetermined tolerable transmitted data error level and a predetermined  
4 tolerable transmitted data error level for a predetermined time period.
- 1 5. The method of claim 1, further comprising:  
2 assigning a predetermined tolerable transmitted data error level;  
3 wherein the receiving tracked and reported transmitted data  
4 errors comprises receiving only when one of the transmitted data errors  
5 exceeds the predetermined tolerable transmitted data error level and the  
6 transmitted data errors exceeds the predetermined tolerable transmitted data  
7 error level for a predetermined time period.





1 17. A machine-readable medium having instructions that when  
2 executed by a processor cause the processor to perform operations  
3 comprising:  
4 transmitting data to at least one client;  
5 receiving, from the at least one client, tracked and reported  
6 transmitted data errors regarding the transmitting data, based on a path of the  
7 transmitting data and at least one of regional factors, dynamic factors, and  
8 retransmission factors;  
9 identifying the at least one client reporting the transmitted data  
10 errors; and  
11 analyzing the transmitted data errors.

1        18.        The machine-readable medium of claim 17, further comprising:  
2                adjusting error correction based on the analyzing the transmitted  
3        data errors; and  
4                transmitting data, having an adjusted error correction, to the at  
5        least one client.

1           19.           The machine-readable medium of claim 17, wherein the  
2           transmitting data comprises broadcasting data, and wherein the receiving  
3           tracked and reported transmitted data errors comprises receiving by a  
4           broadcast center server.

1     20.            The machine-readable medium of claim 17, wherein the analyzing  
2     the transmitted data errors comprises comparing the transmitted data errors to  
3     at least one of a predetermined tolerable transmitted data error level and a  
4     predetermined tolerable transmitted data error level for a predetermined time  
5     period.

1     21.            The machine-readable medium of claim 17, further comprising:  
2                    assigning a predetermined tolerable transmitted data error level;  
3                    wherein the receiving tracked and reported transmitted data  
4 errors comprises receiving only when one of the transmitted data errors  
5 exceeds the predetermined tolerable transmitted data error level and the



4 wherein the tracking comprises identifying data errors that one of  
5 exceeds the predetermined tolerable received data error level, and exceeds the  
6 predetermined tolerable received data error level for a predetermined time  
7 period; and

8 wherein the reporting comprises reporting only when one of the  
9 data errors exceeds the predetermined tolerable received data error level and  
10 the data errors exceeds the predetermined tolerable received data error level  
11 for a predetermined time period.

1 28. The method of claim 24, wherein receiving data comprises  
2 utilizing at least one of wireless conventional ground terrestrial transmission,  
3 digital television (DTV) connection, analog and digital cable television (CATV),  
4 satellite connection, direct broadcast satellite system (DBS), wide area network  
5 (WAN) connection, and formats chosen by the Advanced Television Systems  
6 Committee (ATSC) and National Television Standards Committee (NTSC), and  
7 wherein reporting data errors comprises utilizing at least one of telephone dial-  
8 up connection through a WAN, dial-up directly, data link switching (DLS), cable  
9 docsys, and telephony.

1 29. An apparatus comprising:  
2 a receiver to receive data from a transmitter, and track and report  
3 received data errors to the transmitter, based on a path of data transmission  
4 and at least one of regional factors, dynamic factors, and retransmission  
5 factors.

1 30. The apparatus of claim 29, wherein the receiver receives data  
2 having one of error correction and an adjusted error correction based on the  
3 reported received data errors.

1 31. The apparatus of claim 29, wherein the receiver receives  
2 broadcast data from a broadcast center server.

1 32. The apparatus of claim 29, wherein the receiver receives an  
2 assigned predetermined tolerable received data error level.

1 33. The apparatus of claim 29, wherein the receiver identifies

2 received data errors that one of exceeds the predetermined tolerable received  
3 data error level, and exceeds the predetermined tolerable received data error  
4 level for a predetermined time period.

1 34. The apparatus of claim 33, wherein the receiver reports only  
2 when one of the received data errors exceeds the predetermined tolerable  
3 received data error level and the received data errors exceeds the  
4 predetermined tolerable received data error level for a predetermined time  
5 period.

1 35. The apparatus of claim 29, wherein the receiver receives the data  
2 utilizing at least one of wireless conventional ground terrestrial transmission,  
3 digital television (DTV) connection, analog and digital cable television (CATV),  
4 satellite connection, direct broadcast satellite system (DBS), wide area network  
5 (WAN) connection, and formats chosen by the Advanced Television Systems  
6 Committee (ATSC) and National Television Standards Committee (NTSC), and  
7 reports the received data errors utilizing at least one of telephone dial-up  
8 connection through a WAN, dial-up directly, data link switching (DLS), cable  
9 docsys, and telephony.

1 36. A machine-readable medium having instructions that when  
2 executed by a processor cause the processor to perform operations  
3 comprising:  
4 receiving data from a transmitter;  
5 tracking data errors regarding the receiving data, based on a path  
6 of the receiving data and at least one of regional factors, dynamic factors, and  
7 retransmission factors; and  
8 reporting the data errors to a receiver.

1 37. The machine-readable medium of claim 36, further comprising:  
2 receiving data, from the transmitter, having an adjusted error  
3 correction.

1 38. The machine-readable medium of claim 36, wherein the receiving  
2 data comprises receiving broadcast data, and wherein the reporting data errors  
3 comprises reporting to a broadcast center server.

1 39. The machine-readable medium of claim 36, further comprising:  
2 receiving an assigned predetermined tolerable received data error  
3 level;  
4 wherein the tracking comprises identifying data errors that one of  
5 exceeds the predetermined tolerable received data error level, and exceeds the  
6 predetermined tolerable received data error level for a predetermined time  
7 period; and  
8 wherein the reporting comprises reporting only when one of the  
9 data errors exceeds the predetermined tolerable received data error level and  
10 the data errors exceeds the predetermined tolerable received data error level  
11 for a predetermined time period.

1 40. The machine-readable medium of claim 36, wherein receiving  
2 data comprises utilizing at least one of wireless conventional ground terrestrial  
3 transmission, digital television (DTV) connection, analog and digital cable  
4 television (CATV), satellite connection, direct broadcast satellite system (DBS),  
5 wide area network (WAN) connection, and formats chosen by the Advanced  
6 Television Systems Committee (ATSC) and National Television Standards  
7 Committee (NTSC), and wherein reporting data errors comprises utilizing at  
8 least one of telephone dial-up connection through a WAN, dial-up directly, data  
9 link switching (DLS), cable docsys, and telephony.